



1600

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002
TIME: 14:35:23

Input Set : A:\W143786.txt
Output Set: N:\CRF3\07192002\I533427B.raw

4 <110> APPLICANT: Chiorini, John
5 Kotin, Robert M.
6 Safer, Brian
7 Davidson, Elizabeth
8 Zabner, Joseph
10 <120> TITLE OF INVENTION: AAV5 VECTOR FOR TRANSDUCING BRAIN CELLS AND LUNG CELLS
12 <130> FILE REFERENCE: 14014.0323U2
14 <140> CURRENT APPLICATION NUMBER: 09/533,427B
15 <141> CURRENT FILING DATE: 2000-03-22
17 <160> NUMBER OF SEQ ID NOS: 26
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

1268 <210> SEQ ID NO: 26
1269 <211> LENGTH: 621
1270 <212> TYPE: PRT
1271 <213> ORGANISM: Artificial Sequence
1273 <220> FEATURE:
1274 <223> OTHER INFORMATION: Description of Artificial Sequence; Note =
1275 synthetic construct
1277 <400> SEQUENCE: 26
1278 Met Pro Gly Phe Tyr Glu Ile Val Ile Lys Val Pro Ser Asp Leu Asp
1279 1 5 10 15
1280 Glu His Leu Pro Gly Ile Ser Asp Ser Phe Val Asn Trp Val Ala Glu
1281 20 25 30
1282 Lys Glu Trp Glu Leu Pro Pro Asp Ser Asp Met Asp Leu Asn Leu Ile
1283 35 40 45
1284 Glu Gln Ala Pro Leu Thr Val Ala Glu Lys Leu Gln Arg Asp Phe Leu
1285 50 55 60
1286 Thr Glu Trp Arg Arg Val Ser Lys Ala Pro Glu Ala Leu Phe Phe Val
1287 65 70 75 80
1288 Gln Phe Glu Lys Gly Glu Ser Tyr Phe His Met His Val Leu Val Glu
1289 85 90 95
1290 Thr Thr Gly Val Lys Ser Met Val Leu Gly Arg Phe Leu Ser Gln Ile
1291 100 105 110
1292 Arg Glu Lys Leu Ile Gln Arg Ile Tyr Arg Gly Ile Glu Pro Thr Leu
1293 115 120 125
1294 Pro Asn Trp Phe Ala Val Thr Lys Thr Arg Asn Gly Ala Gly Gly Gly
1295 130 135 140
1296 Asn Lys Val Val Asp Glu Cys Tyr Ile Pro Asn Tyr Leu Leu Pro Lys
1297 145 150 155 160

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1298 Thr Gln Pro Glu Leu Gln Trp Ala Trp Thr Asn Met Glu Gln Tyr Leu
 1299 165 170 175
 1300 Ser Ala Cys Leu Asn Leu Thr Glu Arg Lys Arg Leu Val Ala Gln His
 1301 180 185 190
 1302 Leu Thr His Val Ser Gln Thr Gln Glu Gln Asn Lys Glu Asn Gln Asn
 1303 195 200 205
 1304 Pro Asn Ser Asp Ala Pro Val Ile Arg Ser Lys Thr Ser Ala Arg Tyr
 1305 210 215 220
 1306 Met Glu Leu Val Gly Trp Leu Val Asp Lys Gly Ile Thr Ser Glu Lys
 1307 225 230 235 240
 1308 Gln Trp Ile Gln Glu Asp Gln Ala Ser Tyr Ile Ser Phe Asn Ala Ala
 1309 245 250 255
 1310 Ser Asn Ser Arg Ser Gln Ile Lys Ala Ala Leu Asp Asn Ala Gly Lys
 1311 260 265 270
 1312 Ile Met Ser Leu Thr Lys Thr Ala Pro Asp Tyr Leu Val Gly Gln Gln
 1313 275 280 285
 1314 Pro Val Glu Asp Ile Ser Ser Asn Arg Ile Tyr Lys Ile Leu Glu Leu
 1315 290 295 300
 1316 Asn Gly Tyr Asp Pro Gln Tyr Ala Ala Ser Val Phe Leu Gly Trp Ala
 1317 305 310 315 320
 1318 Thr Lys Lys Phe Gly Lys Arg Asn Thr Ile Trp Leu Phe Gly Pro Ala
 1319 325 330 335
 1320 Thr Thr Gly Lys Thr Asn Ile Ala Glu Ala Ile Ala His Thr Val Pro
 1321 340 345 350
 1322 Phe Tyr Gly Cys Val Asn Trp Thr Asn Glu Asn Phe Pro Phe Asn Asp
 1323 355 360 365
 1324 Cys Val Asp Lys Met Val Ile Trp Trp Glu Glu Gly Lys Met Thr Ala
 1325 370 375 380
 1326 Lys Val Val Glu Ser Ala Lys Ala Ile Leu Gly Gly Ser Lys Val Arg
 1327 385 390 395 400
 1328 Val Asp Gln Lys Cys Lys Ser Ser Ala Gln Ile Asp Pro Thr Pro Val
 1329 405 410 415
 1330 Ile Val Thr Ser Asn Thr Asn Met Cys Ala Val Ile Asp Gly Asn Ser
 1331 420 425 430
 1332 Thr Thr Phe Glu His Gln Gln Pro Leu Gln Asp Arg Met Phe Lys Phe
 1333 435 440 445
 1334 Glu Leu Thr Arg Arg Leu Asp His Asp Phe Gly Lys Val Thr Lys Gln
 1335 450 455 460
 1336 Glu Val Lys Asp Phe Phe Arg Trp Ala Lys Asp His Val Val Glu Val
 1337 465 470 475 480
 1338 Glu His Glu Phe Tyr Val Lys Lys Gly Gly Ala Lys Lys Arg Pro Ala
 1339 485 490 495
 1340 Pro Ser Asp Ala Asp Ile Ser Glu Pro Lys Arg Val Arg Glu Ser Val
 1341 500 505 510
 1342 Ala Gln Pro Ser Thr Ser Asp Ala Glu Ala Ser Ile Asn Tyr Ala Asp
 1343 515 520 525
 1344 Arg Tyr Gln Asn Lys Cys Ser Arg His Val Gly Met Asn Leu Met Leu
 1345 530 535 540
 1346 Phe Pro Cys Arg Gln Cys Glu Arg Met Asn Gln Asn Ser Asn Ile Cys

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1347 545 550 555 560
1348 Phe Thr His Gly Gln Lys Asp Cys Leu Glu Cys Phe Pro Val Ser Glu
1349 565 570 575
1350 Ser Gln Pro Val Ser Val Val Lys Lys Ala Tyr Gln Lys Leu Cys Tyr
1351 580 585 590
1352 Ile His His Ile Met Gly Lys Val Pro Asp Ala Cys Thr Ala Cys Asp
1353 595 600 605
1354 Leu Val Asn Val Asp Leu Asp Asp Cys Ile Phe Glu Gln
1355 610 615 620
1356 (ATTORNEY DOCKET NO. 14014.032302) — delete
E--> 1358 24

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002

TIME: 14:35:24

Input Set : A:\W143786.txt

Output Set: N:\CRF3\07192002\I533427B.raw

L:1358 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26